

CHAIN OF CUSTODY REPORT

Work Order #: **M106029**

CLIENT: Bristol			INVOICE TO: Bristol										TURNAROUND REQUEST in Business Days* Organic & Inorganic Analyses <div style="display: flex; justify-content: space-around;"> <div> <div style="border: 1px solid black; padding: 2px;">10</div> <div style="border: 1px solid black; padding: 2px;">7</div> <div style="border: 1px solid black; padding: 2px;">5</div> <div style="border: 1px solid black; padding: 2px;">4</div> <div style="border: 1px solid black; padding: 2px;">3</div> <div style="border: 1px solid black; padding: 2px;">2</div> <div style="border: 1px solid black; padding: 2px;">1</div> <div style="border: 1px solid black; padding: 2px;"><</div> </div> <div>STD.</div> </div> <div style="display: flex; justify-content: space-around;"> <div> <div style="border: 1px solid black; padding: 2px;">5</div> <div style="border: 1px solid black; padding: 2px;">4</div> <div style="border: 1px solid black; padding: 2px;">3</div> <div style="border: 1px solid black; padding: 2px;">2</div> <div style="border: 1px solid black; padding: 2px;">1</div> <div style="border: 1px solid black; padding: 2px;"><1</div> </div> <div>STD.</div> </div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">OTHER</div> <div>Please Specify</div>					
REPORT TO: Anne Kramawetter			P.O. NUMBER: 71090															
ADDRESS: Ambitha Island, AK																		
PHONE: 770-0974			FAX: 770-0975															
PROJECT NAME: Ambitha			REQUESTED ANALYSES															
PROJECT NUMBER: 21090																		
SAMPLED BY: AAH/122																		
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	DRU	BTEX	w/Nafta											MATRIX (W, S, O)	# OF CONT.	COMMENTS	NC/I
1. OIAM A6 05SL	6/11/01 1045	✓	✓												S	2		
2. OIAM A6 06SL	6/11/01 1050	✓	✓												S	2		
3. OIAM A6 07SL	6/11/01 1055	✓	✓												S	2		
4. OIAM A6 08SL	6/11/01 1100	✓	✓												S	2		
5. OIAM A6 09SL	6/11/01 1105	✓	✓												S	2		
6. OIAM A6 10SL	6/11/01 1110	✓	✓												S	2		
7. OIAM A6 11SL	6/11/01 1115	✓	✓															
8. OIAM A6 12SL	6/11/01 1300		✓															
9.																		
10.																		
11.																		
12.																		
13.																		
14.																		
15.																		

RELINQUISHED BY: Anne Kramawetter	DATE: 6/11/01	RECEIVED BY: Craig Bradle	DATE: 6/11
PRINT NAME: Anne Kramawetter	FIRM: Bristol	PRINT NAME: Craig Bradle	FIRM: NCA
RELINQUISHED BY:	DATE:	RECEIVED BY:	DATE:
PRINT NAME:	FIRM:	PRINT NAME:	FIRM:

ADDITIONAL REMARKS: TEMP: **20°C**



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541.383.9310 fax 541.382.7588

6 December, 2001

Anne Kranawetter
Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

RE: Amchitka

Enclosed are the results of analyses for samples received by the laboratory on 06/11/01 13:03. If you have any questions concerning this report, please feel free to contact me.

This report was recreated from a previously issued final report in order to provide an electronic copy. The final report used for these electronic copies may have been previously issued as an amended report due to client requested changes to sample names, etc. No data has changed since submission of the previously issued final, or amended, report.

Sincerely,

Stephen Wilson
Environmental Group Leader

Work Orders included in this report:

M106029



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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/13/01 15:20

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
01AMA605SL	M106029-01	Soil	06/11/01 10:45	06/11/01 13:03
01AMA606SL	M106029-02	Soil	06/11/01 10:50	06/11/01 13:03
01AMA607SL	M106029-03	Soil	06/11/01 10:55	06/11/01 13:03
01AMA608SL	M106029-04	Soil	06/11/01 11:00	06/11/01 13:03
01AMA609SL	M106029-05	Soil	06/11/01 11:05	06/11/01 13:03
01AMA610SL	M106029-06	Soil	06/11/01 11:10	06/11/01 13:03
01AMA611SL	M106029-07	Soil	06/11/01 11:15	06/11/01 13:03
01AMA612SL	M106029-08	Soil	06/11/01 13:00	06/11/01 13:03

COC # 71

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

North Creek Analytical, Inc.
Environmental Laboratory Network

1 of 9



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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/13/01 15:20

Diesel Hydrocarbons (C10-C25) per AK102
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMA605SL (M106029-01) Soil					Sampled: 06/11/01 Received: 06/11/01				
Diesel Range Organics	ND	150	mg/kg dry	1	AK 102	06/11/01	06/12/01	0106034	
Surr: 1-Chlorooctadecane	98.6 %	75-125							
Surr: Triacotane	97.6 %	75-125							
01AMA606SL (M106029-02) Soil					Sampled: 06/11/01 Received: 06/11/01				
Diesel Range Organics	ND	150	mg/kg dry	1	AK 102	06/11/01	06/12/01	0106034	
Surr: 1-Chlorooctadecane	102 %	75-125							
Surr: Triacotane	103 %	75-125							
01AMA607SL (M106029-03) Soil					Sampled: 06/11/01 Received: 06/11/01				
Diesel Range Organics	ND	150	mg/kg dry	1	AK 102	06/11/01	06/12/01	0106034	
Surr: 1-Chlorooctadecane	102 %	75-125							
Surr: Triacotane	102 %	75-125							
01AMA608SL (M106029-04) Soil					Sampled: 06/11/01 Received: 06/11/01				
Diesel Range Organics	ND	150	mg/kg dry	1	AK 102	06/11/01	06/12/01	0106034	
Surr: 1-Chlorooctadecane	100 %	75-125							
Surr: Triacotane	103 %	75-125							
01AMA609SL (M106029-05) Soil					Sampled: 06/11/01 Received: 06/11/01				
Diesel Range Organics	ND	150	mg/kg dry	1	AK 102	06/11/01	06/12/01	0106034	
Surr: 1-Chlorooctadecane	88.3 %	75-125							
Surr: Triacotane	93.0 %	75-125							
01AMA610SL (M106029-06) Soil					Sampled: 06/11/01 Received: 06/11/01				
Diesel Range Organics	ND	150	mg/kg dry	1	AK 102	06/11/01	06/12/01	0106034	
Surr: 1-Chlorooctadecane	99.3 %	75-125							
Surr: Triacotane	99.7 %	75-125							

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/13/01 15:20

Diesel Hydrocarbons (C10-C25) per AK102
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
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01AMA611SL (M106029-07) Soil

Sampled: 06/11/01 Received: 06/11/01

Diesel Range Organics	ND	150	mg/kg dry	1	AK 102	06/11/01	06/12/01	0106034	
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Surr: 1-Chlorooctadecane	95.0 %	75-125							
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Surr: Triacontane	96.1 %	75-125							
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North Creek Analytical - Mobile Lab

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Bristol Environmental & Engineering
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Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/13/01 15:20

BTEX, MTBE and Naphthalene per EPA Method 8021B

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMA605SL (M106029-01) Soil					Sampled: 06/11/01 Received: 06/11/01				
Benzene	ND	0.0701	mg/kg dry	50	1B BTEX/MTI	06/11/01	06/11/01	0106037	
Toluene	ND	0.280	"	"	"	"	"	"	
Ethylbenzene	ND	0.280	"	"	"	"	"	"	
Xylenes (total)	ND	0.561	"	"	"	"	"	"	
Naphthalene	ND	2.80	"	"	"	"	"	"	
Surr: 4-BFB	79.2 %	50-150							
01AMA606SL (M106029-02) Soil					Sampled: 06/11/01 Received: 06/11/01				
Benzene	ND	0.0702	mg/kg dry	50	1B BTEX/MTI	06/11/01	06/11/01	0106037	
Toluene	ND	0.281	"	"	"	"	"	"	
Ethylbenzene	ND	0.281	"	"	"	"	"	"	
Xylenes (total)	ND	0.562	"	"	"	"	"	"	
Naphthalene	ND	2.81	"	"	"	"	"	"	
Surr: 4-BFB	89.6 %	50-150							
01AMA607SL (M106029-03) Soil					Sampled: 06/11/01 Received: 06/11/01				
Benzene	ND	0.0765	mg/kg dry	50	1B BTEX/MTI	06/11/01	06/11/01	0106037	
Toluene	ND	0.306	"	"	"	"	"	"	
Ethylbenzene	ND	0.306	"	"	"	"	"	"	
Xylenes (total)	ND	0.612	"	"	"	"	"	"	
Naphthalene	ND	3.06	"	"	"	"	"	"	
Surr: 4-BFB	84.9 %	50-150							
01AMA608SL (M106029-04) Soil					Sampled: 06/11/01 Received: 06/11/01				
Benzene	ND	0.0696	mg/kg dry	50	1B BTEX/MTI	06/11/01	06/11/01	0106037	
Toluene	ND	0.278	"	"	"	"	"	"	
Ethylbenzene	ND	0.278	"	"	"	"	"	"	
Xylenes (total)	ND	0.557	"	"	"	"	"	"	
Naphthalene	ND	2.78	"	"	"	"	"	"	
Surr: 4-BFB	83.4 %	50-150							

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Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/13/01 15:20

BTEX, MTBE and Naphthalene per EPA Method 8021B

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMA609SL (M106029-05) Soil					Sampled: 06/11/01 Received: 06/11/01				
Benzene	ND	0.0661	mg/kg dry	50	1B BTEX/MTI	06/11/01	06/11/01	0106037	
Toluene	ND	0.265	"	"	"	"	"	"	
Ethylbenzene	ND	0.265	"	"	"	"	"	"	
Xylenes (total)	ND	0.529	"	"	"	"	"	"	
Naphthalene	ND	2.65	"	"	"	"	"	"	
Surr: 4-BFB	89.8 %	50-150							
01AMA610SL (M106029-06) Soil					Sampled: 06/11/01 Received: 06/11/01				
Benzene	ND	0.0856	mg/kg dry	50	1B BTEX/MTI	06/11/01	06/11/01	0106037	
Toluene	ND	0.342	"	"	"	"	"	"	
Ethylbenzene	ND	0.342	"	"	"	"	"	"	
Xylenes (total)	ND	0.685	"	"	"	"	"	"	
Naphthalene	ND	3.42	"	"	"	"	"	"	
Surr: 4-BFB	86.6 %	50-150							
01AMA611SL (M106029-07) Soil					Sampled: 06/11/01 Received: 06/11/01				
Benzene	ND	0.0726	mg/kg dry	50	1B BTEX/MTI	06/11/01	06/11/01	0106037	
Toluene	ND	0.291	"	"	"	"	"	"	
Ethylbenzene	ND	0.291	"	"	"	"	"	"	
Xylenes (total)	ND	0.581	"	"	"	"	"	"	
Naphthalene	ND	2.91	"	"	"	"	"	"	
Surr: 4-BFB	88.1 %	50-150							
01AMA612SL (M106029-08) Soil					Sampled: 06/11/01 Received: 06/11/01				
Benzene	ND	0.137	mg/kg dry	50	1B BTEX/MTI	06/11/01	06/12/01	0106037	
Toluene	ND	0.549	"	"	"	"	"	"	
Ethylbenzene	ND	0.549	"	"	"	"	"	"	
Xylenes (total)	ND	1.10	"	"	"	"	"	"	
Naphthalene	ND	5.49	"	"	"	"	"	"	
Surr: 4-BFB	107 %	50-150							

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/13/01 15:20

Physical Parameters per APHA/ASTM/EPA Methods
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMA605SL (M106029-01) Soil					Sampled: 06/11/01 Received: 06/11/01				
% Solids	80.5	0.0100 % by Weight		1	Gravimetric	06/11/01	06/12/01	0106036	
01AMA606SL (M106029-02) Soil					Sampled: 06/11/01 Received: 06/11/01				
% Solids	81.8	0.0100 % by Weight		1	Gravimetric	06/11/01	06/12/01	0106036	
01AMA607SL (M106029-03) Soil					Sampled: 06/11/01 Received: 06/11/01				
% Solids	80.5	0.0100 % by Weight		1	Gravimetric	06/11/01	06/12/01	0106036	
01AMA608SL (M106029-04) Soil					Sampled: 06/11/01 Received: 06/11/01				
% Solids	79.2	0.0100 % by Weight		1	Gravimetric	06/11/01	06/12/01	0106036	
01AMA609SL (M106029-05) Soil					Sampled: 06/11/01 Received: 06/11/01				
% Solids	78.4	0.0100 % by Weight		1	Gravimetric	06/11/01	06/12/01	0106036	
01AMA610SL (M106029-06) Soil					Sampled: 06/11/01 Received: 06/11/01				
% Solids	79.1	0.0100 % by Weight		1	Gravimetric	06/11/01	06/12/01	0106036	
01AMA611SL (M106029-07) Soil					Sampled: 06/11/01 Received: 06/11/01				
% Solids	81.5	0.0100 % by Weight		1	Gravimetric	06/11/01	06/12/01	0106036	
01AMA612SL (M106029-08) Soil					Sampled: 06/11/01 Received: 06/11/01				
% Solids	100	0.0100 % by Weight		1	Gravimetric	06/11/01	06/12/01	0106036	

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/13/01 15:20

Diesel Hydrocarbons (C10-C25) per AK102 - Quality Control

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 0106034 - 3545 ASE

Blank (0106034-BLK1)

Prepared: 06/11/01 Analyzed: 06/12/01

Diesel Range Organics ND 150 mg/kg wet

Surr: 1-Chlorooctadecane 21.3 " 23.4 91.0 75-125

Surr: Triacotane 20.2 " 23.4 86.3 75-125

LCS (0106034-BS1)

Prepared: 06/11/01 Analyzed: 06/12/01

Diesel Range Organics 1290 150 mg/kg wet 1250 103 75-125

Surr: 1-Chlorooctadecane 26.4 " 23.4 113 75-125

Surr: Triacotane 21.8 " 23.4 93.2 75-125

LCS Dup (0106034-BSD1)

Prepared: 06/11/01 Analyzed: 06/12/01

Diesel Range Organics 1410 150 mg/kg wet 1250 113 75-125 8.89 20

Surr: 1-Chlorooctadecane 26.7 " 23.4 114 75-125

Surr: Triacotane 24.4 " 23.4 104 75-125

Matrix Spike (0106034-MS1)

Source: M106029-01

Prepared: 06/11/01 Analyzed: 06/12/01

Diesel Range Organics 1690 150 mg/kg dry 1540 ND 110 60-140

Surr: 1-Chlorooctadecane 31.6 " 28.9 109 75-125

Surr: Triacotane 28.1 " 28.9 97.2 75-125

North Creek Analytical - Mobile Lab

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Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/13/01 15:20

BTEX, MTBE and Naphthalene per EPA Method 8021B - Quality Control

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 0106037 - MeOH Extraction

Blank (0106037-BLK1)

Prepared & Analyzed: 06/11/01

Benzene	ND	0.0250	mg/kg wet
Toluene	ND	0.100	"
Ethylbenzene	ND	0.100	"
Xylenes (total)	ND	0.200	"
Naphthalene	ND	1.00	"

Surr: 4-BFB 2.38 " 2.50 95.2 50-150

LCS (0106037-BS1)

Prepared & Analyzed: 06/11/01

Benzene	2.19	0.0250	mg/kg wet	2.50	87.6	69-138
Toluene	2.23	0.100	"	2.50	89.2	53-151
Ethylbenzene	2.45	0.100	"	2.50	98.0	61-141
Xylenes (total)	6.92	0.200	"	7.50	92.3	62-141
Naphthalene	3.19	1.00	"	2.50	128	65-135

Surr: 4-BFB 2.51 " 2.50 100 50-150

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

North Creek Analytical, Inc.
Environmental Laboratory Network



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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/13/01 15:20

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis. MRLs are adjusted if %Solids are less than 50%.
wet Sample results reported on a wet weight basis (as received)
RPD Relative Percent Difference

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Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Report recreated from: \\sisters\elmnt\Report\M106029 FINAL 06 13 01 1520.mdb
0106036-DUP1	Solids, Dry Weight		Default Report (not modified) No source sample